

## Claims

- [c1] What is claimed is:
- 1.A light source cooling system having a double exhaust fan for a projector comprising:
- a light source formed with an interior region and an exterior region;
- a first exhaust fan; and
- a second exhaust fan,
- wherein the first exhaust fan and the second exhaust fan form two airstreams in the interior region and the exterior region respectively for cooperatively cooling the light source.
- [c2] 2.A light source cooling system having a double exhaust fan for a projector according to claim 1, wherein both the first exhaust fan and the second exhaust fan are an axial exhaust fan.
- [c3] 3.A light source cooling system having a double exhaust fan for a projector according to claim 1, wherein the noise level caused by the first exhaust fan together with the second exhaust fan is equal to or lower than 35 dB.
- [c4] 4.A light source cooling system having a double exhaust fan for a projector according to claim 1, wherein the noise level caused by the first exhaust fan together with the second exhaust fan is equal to or lower than 32 dB.
- [c5] 5.A light source cooling system having a double exhaust fan for a projector according to claim 1, wherein the operational rotation speed of either the first exhaust fan or the second exhaust fan is equal to or lower than 3,000 r.p.m.
- [c6] 6.A light source cooling system having a double exhaust fan for a projector according to claim 1, wherein the operational rotation speed of either the first exhaust fan or the second exhaust fan is equal to or lower than 2,500 r.p.m.
- [c7] 7.A light source cooling system having a double exhaust fan for a projector according to claim 1, wherein the light source including a light core and an outer reflector surface, and the light source cooling system further comprising a blower that cooperatively operate with the first exhaust fan to generate a first airstream for cooling the light core, and the second exhaust fan generate a

second airstream for cooling the outer reflector surface of the light source.

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